	Coordenadas medidas na cartografia		Coordenadas medidas no terreno												
	X	Y	X	Y	Z	e_x	e_y	e_x^2	e_y^2		x	y	Z (1)	eZ	
1	-42855.636	108293.690	-42855.751	108293.570	14.640	0.11	0.12	0.013157	0.014512		1	1	14.774	0.134	1
2	-42891.891	108251.619	-42891.973	108251.505	14.993	0.08	0.11	0.006802	0.013058		1	1	14.921	-0.072	1
3	-42479.879	108099.092	-42479.985	108099.012	19.856	0.11	0.08	0.011187	0.006374		1	1	20.012	0.156	1
4	-42290.193	109105.231	-42290.187	109105.299	18.736	-0.01	-0.07	0.000032	0.004680		1	1	18.782	0.046	1
5	-43030.757	108637.962	-43030.756	108637.560	15.364	0.00	0.40	0.000001	0.161532		1	1	15.391	0.027	1
6	-43658.339	108932.510	-43658.267	108932.326	1.659	-0.07	0.18	0.005171	0.033805		1	1	1.735	0.076	1
7	-44454.103	108234.021	-44454.150	108233.781	2.518	0.05	0.24	0.002224	0.057640		1	1	2.513	-0.005	1
8	-44079.387	107898.441	-44079.551	107898.300	10.865	0.16	0.14	0.026987	0.019753		1	1	10.758	-0.107	1
9	-43247.294	107810.966	-43247.450	107810.913	1.782	0.16	0.05	0.024258	0.002824		1	1	1.218	-0.564	1
10	-43179.253	107902.660	-43179.359	107902.557	2.886	0.11	0.10	0.011275	0.010635		1	1	2.817	-0.069	1
12	-41960.822	108908.662	-41961.402	108908.947	23.290	0.58	-0.28	0.336291	0.081194		0	1	23.417	0.127	1
13	-40657.234	108453.241	-40657.357	108453.025	36.925	0.12	0.22	0.015021	0.046782		1	1	36.909	-0.016	1
14	-41226.951	108667.206	-41226.559	108667.156	27.227	-0.39	0.05	0.153667	0.002487		1	1	27.176	-0.051	1
15	-41346.914	108304.324	-41347.179	108304.412	23.235	0.27	-0.09	0.070268	0.007803		1	1	23.419	0.184	1
16	-41308.872	107891.389	-41308.977	107891.199	31.606	0.10	0.19	0.010952	0.036143		1	1	31.63	0.024	1
18	-41154.938	107284.651	-41154.921	107284.653	37.570	-0.02	0.00	0.000290	0.000005		1	1	37.709	0.139	1
19	-41631.263	107021.507	-41631.576	107021.453	30.641	0.31	0.05	0.098049	0.002912		1	1	30.796	0.155	1
20	-43117.327	107001.670	-43117.271	107001.739	18.989	-0.06	-0.07	0.003099	0.004707		1	1	19.242	0.253	1
21	-42533.471	107431.981	-42534.061	107431.538	13.520	0.59	0.44	0.348230	0.196334		0	1	13.611	0.091	1
22	-42811.614	107724.108	-42811.431	107724.048	5.600	-0.18	0.06	0.033381	0.003646		1	1	5.579	-0.021	1
23	-42500.870	106948.719	-42500.977	106948.271	22.650	0.11	0.45	0.011495	0.200511		1	1	22.613	-0.037	1
24	-42205.396	107543.859	-42205.748	107543.877	15.346	0.35	-0.02	0.124180	0.000340		1	1	15.074	-0.272	1
25	-44662.930	106385.290	-44662.470	106385.446	12.706	-0.46	-0.16	0.211246	0.024309		0	1	12.769	0.063	1
26	-44332.812	106263.303	-44333.022	106263.236	13.761	0.21	0.07	0.044036	0.004476		1	1	13.911	0.150	1
27	-43795.210	106227.450	-43794.862	106227.379	9.208	-0.35	0.07	0.121225	0.005067		1	1	9.205	-0.003	1
28	-43207.559	106387.273	-43207.731	106387.210	19.133	0.17	0.06	0.029607	0.003951		1	1	19.12	-0.013	1
29	-43320.260	106679.178	-43320.506	106679.353	18.729	0.25	-0.18	0.060278	0.030672		1	1	18.6	-0.129	1
30	-43772.804	106576.039	-43772.736	106576.228	14.857	-0.07	-0.19	0.004626	0.035792		1	1	14.825	-0.032	1
31	-44286.581	106723.144	-44286.553	106723.354	9.609	-0.03	-0.21	0.000788	0.044134		1	1	9.85	0.241	1
32	-43415.054	107795.803	-43414.953	107795.635	16.044	-0.10	0.17	0.010135	0.028199		1	1	16.069	0.025	1
34	-44532.460	107647.690	-44532.149	107647.645	2.127	-0.31	0.04	0.096758	0.002001		1	1	1.507	-0.620	1
35	-44284.865	107427.505	-44284.801	107427.463	9.835	-0.06	0.04	0.004105	0.001765		1	1	9.858	0.023	1
36	-43650.119	107489.647	-43650.646	107489.442	14.099	0.53	0.20	0.278140	0.042007		0	1	14.132	0.033	1
37	-43402.798	107474.812	-43402.875	107474.383	17.126	0.08	0.43	0.005975	0.184317		1	1	17.144	0.018	1
38	-44743.510	107144.436	-44743.645	107144.143	2.152	0.14	0.29	0.018259	0.085874		1	1	2.082	-0.070	1
39	-43945.553	107119.065	-43945.466	107119.182	13.125	-0.09	-0.12	0.007560	0.013706		1	1	13.207	0.082	1
40	-43430.183	107137.314	-43430.390	107137.415	14.199	0.21	-0.10	0.042858	0.010223		1	1	14.264	0.065	1
41	-43032.535	106880.569	-43032.548	106880.629	20.683	0.01	-0.06	0.000170	0.003575		1	1	20.73	0.047	1
42	-41862.492	106841.612	-41862.720	106841.664	24.952	0.23	-0.05	0.052051	0.002740		1	1	24.921	-0.031	1
43	-42006.337	106509.592	-42006.513	106509.352	22.654	0.18	0.24	0.031000	0.057563		1	1	22.445	-0.209	1
44	-42594.622	106483.644	-42594.690	106483.597	23.018	0.07	0.05	0.004621	0.002209		1	1	22.898	-0.120	1
45	-43099.881	106237.749	-43099.948	106237.521	22.787	0.07	0.23	0.004470	0.051999		1	1	22.44	-0.347	1
46	-41716.769	106117.442	-41716.943	106117.081	28.893	0.17	0.36	0.030280	0.130327		1	1	28.988	0.095	1
47	-41359.502	106260.047	-41359.532	106259.867	43.371	0.03	0.18	0.000893	0.032405		1	1	43.433	0.062	1
48	-41536.290	106641.890	-41536.252	106641.907	33.076	-0.04	-0.02	0.001452	0.000289		1	1	32.846	-0.230	1
49	-41071.259	106832.370	-41071.205	106832.245	45.087	-0.05	0.13	0.002932	0.015646		1	1	45.126	0.039	1
50	-40690.450	106345.700	-40690.159	106345.439	48.455	-0.29	0.26	0.084744	0.068020		1	1	48.425	-0.030	1
52	-40623.100	106065.995	-40623.056	106065.859	49.471	-0.04	0.14	0.001918	0.018513		1	1	49.425	-0.046	1
53	-40139.034	106331.774	-40138.716	106331.703	48.430	-0.32	0.07	0.101152	0.005037		1	1	48.518	0.088	1
54	-40437.820	106628.730	-40437.026	106628.591	49.653	-0.79	0.14	0.630431	0.019325		0	1	49.585	-0.068	1
55	-39969.370	106941.290	-39969.238	106941.298	47.845	-0.13	-0.01	0.017419	0.000065		1	1	48.043	0.198	1
56	-40122.325	107189.498	-40122.731	107189.315	48.644	0.41	0.18	0.164777	0.033462		1	1	48.604	-0.040	1
57	-40093.250	107399.640	-40092.964	107399.330	47.147	-0.29	0.31	0.082062	0.096067		1	1	47.102	-0.045	1
58	-40162.054	107832.699	-40162.112	107833.221	44.296	0.06	-0.52	0.003380	0.272751		1	0	44.597	0.301	1
59	-40156.374	108072.915	-40156.618	108073.455	44.893	0.24	-0.54	0.059552	0.291633		1	0	44.97	0.077	1
60	-40289.880	108338.870	-40290.267	108338.377	44.413	0.39	0.49	0.149926	0.242959		1	0	44.121	-0.292	1
63	-40640.381	108887.472	-40640.797	108887.657	30.769	0.42	-0.19	0.173122	0.034388		1	1	30.796	0.027	1
64	-40743.651	108943.086	-40743.921	108942.969	28.827	0.27	0.12	0.073010	0.013608		1	1	28.809	-0.018	1

Média	0.05	0.07	3.910976	2.816750	cumpre	53	55	Média	-0.009	cumpre 58
Desv Pad	0.26	0.21			não cumpre	5	3	Desv. Pa	0.169	não cumpre 0
mín	-0.79	-0.54						mín	-0.620	
máx	0.59	0.49			>90% cumpre	91%	95%	max	0.301	>90% cumpre 100%
EMQ	0.260	0.220						EMQ	0.168	
EMQ (MP)	0.344							exigenci	0.75	
exigencia	0.3									
exig * 1.517	0.46									